

H α SOLAR FLARES

MARCH 2006

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
LEAR	20	0437	0437	0440	S08	W13	10862	03	19.2	3	SF		3	E		17		ZU
LEAR		0843	0844	0850	S07	W18	10862	03	19.0	7	SF		3	E		16		ZU
LEAR	21	0937	0942	1001D	S08	W32	10862	03	19.0	24D	SF		3	E		44		F
HOLL		1631	1633	1642	S06	W36	10862	03	19.0	11	SF		3	E		32		F
HOLL		1838	1841	1856	S06	W37	10862	03	19.0	18	SF		3	E		35		FH
LEAR		2324	2325	2333	S07	W39	10862	03	19.0	9	SF		3	E		47		ZU
HOLL		2324	2326	2335	S06	W39	10862	03	19.0	11	SF		3	E		43		F
LEAR	23	0926	0926	0931	S06	W59	10862	03	19.0	5	SF		3	E		17		
HOLL	30	1514	1515	1522	S14	E39	10865	04	2.6	8	SF		3	E		26		F
HOLL		1525	1528	1533	S13	E40	10865	04	2.7	8	SF		3	E		10		F
HOLL		1825	1825	1829	S12	E34	10865	04	2.3	4	SF		3	E		16		E

"Remarks"

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| <p>A = Eruptive prominence whose base is less than 90 degrees from central meridian.</p> <p>B = Probably the end of a more important flare.</p> <p>C = Invisible 10 minutes before.</p> <p>D = Brilliant point.</p> <p>E = Two or more brilliant points.</p> <p>F = Several eruptive centers.</p> <p>G = No visible spots in the neighborhood.</p> <p>H = Flare accompanied by high-speed dark filament.</p> <p>I = Active region very extended.</p> <p>J = Distinct variations of plage intensity before or after the flare.</p> <p>K = Several intensity maxima.</p> <p>L = Existing filaments show signs of sudden activity.</p> <p>M = White-light flare.</p> <p>N = Continuous spectrum shows effects of polarization.</p> | <p>O = Observations have been made in the H and K lines of Ca II.</p> <p>P = Flare shows Helium D3 in emission.</p> <p>Q = Flare shows Balmer continuum in emission.</p> <p>R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.</p> <p>S = Brightness follows disappearance of filament in same position.</p> <p>T = Region active all day.</p> <p>U = Two bright branches, parallel or converging.</p> <p>V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.</p> <p>W = Great increase in area after time of maximum intensity.</p> <p>X = Unusually wide H-alpha line.</p> <p>Y = System of loop-type prominences.</p> <p>Z = Major sunspot umbra covered by flare.</p> |
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Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

NOTE: Beginning with the February 2005 data, only H-alpha flares are included in this table. Because the number of H-alpha patrols are dwindling and emphasis is now on the X-ray flare reports, a separate table of solar X-ray flares is now produced.